

POTENTIAL CROPLAND LIMITATIONS AND HAZARD
Traill County, North Dakota

(See text for a description and criteria of the limitations and hazards listed in this table)

Map Symbol and Component Name	Cropland Limitations and Hazards
Ar: Arveson	Alkalinity Excessive saturated hydraulic conductivity High water table Pesticide and nutrient leaching Wind erosion
As: Arveson	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion
AvB: Arvilla	Alkalinity Depth to sand and gravel Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
Bd: Bearden	High water table Lime content Pesticide and nutrient leaching Salt content Wind erosion
Be: Bearden	Alkalinity High water table Lime content Pesticide and nutrient leaching Restricted saturated hydraulic conductivity Wind erosion
Bg: Bearden	Alkalinity High water table Lime content Pesticide and nutrient leaching Wind erosion
Bn: Bearden	Alkalinity High water table Lime content Pesticide and nutrient leaching Restricted saturated hydraulic conductivity Wind erosion
Lindaas	Excessive saturated hydraulic conductivity High water table Pesticide and nutrient leaching Restricted saturated hydraulic conductivity
Bo: Bearden	Alkalinity High water table Lime content Pesticide and nutrient leaching Restricted saturated hydraulic conductivity Wind erosion

POTENTIAL CROPLAND LIMITATION--continued
Traill County, North Dakota

Map Symbol and Component Name	Cropland Limitations and Hazards
Overly	Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity
Bp: Bearden	Alkalinity High water table Lime content Pesticide and nutrient leaching Restricted saturated hydraulic conductivity Wind erosion
Perella	High water table Pesticide and nutrient leaching Poor tilth and compaction
Bs: Bearden	Alkalinity High water table Lime content Pesticide and nutrient leaching Restricted saturated hydraulic conductivity Wind erosion
Glyndon	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion
Bt: Beotia	None
Bu: Bohnsack	High water table Lime content Pesticide and nutrient leaching Wind erosion
Bv: Bohnsack	High water table Lime content Pesticide and nutrient leaching Wind erosion
Tiffany	Excessive saturated hydraulic conductivity High water table Pesticide and nutrient leaching
Bw: Borup	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion
Bx: Borup	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Salt content Wind erosion

POTENTIAL CROPLAND LIMITATION--continued
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Map Symbol and Component Name	Cropland Limitations and Hazards
CaA: Cashel	Alkalinity High water table Pesticide and nutrient leaching Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
CaC: Cashel	Alkalinity Channels Flooding High water table Pesticide and nutrient leaching Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Slope Water erosion Wind erosion
Channeled	Onsite required
Co: Colvin	Alkalinity High water table Lime content Pesticide and nutrient leaching Wind erosion
Cs: Colvin	Alkalinity High water table Lime content Pesticide and nutrient leaching Restricted saturated hydraulic conductivity Salt content Wind erosion
Cu: Cut and fill land	Alkalinity Depth to sand and gravel High water table Lime content Wind erosion
Dd: Divide	Alkalinity Depth to sand and gravel Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion
Do: Doran	High water table Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity
Dv: Dovray	High water table Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion

POTENTIAL CROPLAND LIMITATION--continued
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Map Symbol and Component Name	Cropland Limitations and Hazards
EdA: Egeland	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff
EgA: Egeland	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
Embden	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
EgB: Egeland	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
Embden	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
Em: Embden	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Wind erosion
En: Embden	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Wind erosion
Eo: Emrick	None
EpA: Emrick	Pesticide and nutrient runoff
Heimdal	Pesticide and nutrient runoff
FaA: Fairdale	Lime content Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
Fb: Fargo	High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity

POTENTIAL CROPLAND LIMITATION--continued
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Map Symbol and Component Name	Cropland Limitations and Hazards
Fc: Fargo	High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
Fd: Fargo	High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
Dovray	High water table Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
Fe: Fargo	High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity
Enloe	High water table Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity
Fg: Fargo	High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
Enloe	High water table Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
Fh: Fargo	High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
Hegne	Alkalinity High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
Fn: Fargo	High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion

POTENTIAL CROPLAND LIMITATION--continued
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Map Symbol and Component Name	Cropland Limitations and Hazards
Ryan	Alkalinity Flooding High water table Lime content Pesticide and nutrient leaching Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Salt content Wind erosion
Ga: Galchutt	High water table Pesticide and nutrient leaching Restricted saturated hydraulic conductivity
Fargo	High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
Gd: Gardena	Excessive saturated hydraulic conductivity Pesticide and nutrient leaching
GeB: Gardena	Excessive saturated hydraulic conductivity Pesticide and nutrient leaching Pesticide and nutrient runoff
Eckman	Lime content Pesticide and nutrient runoff
GfC: Gardena	Excessive saturated hydraulic conductivity Pesticide and nutrient leaching Pesticide and nutrient runoff Slope Water erosion
Zell	Alkalinity Lime content Pesticide and nutrient runoff Slope Water erosion Wind erosion
Gg: Gilby	Alkalinity High water table Lime content Pesticide and nutrient leaching Wind erosion
Gh: Gilby	Alkalinity High water table Lime content Pesticide and nutrient leaching Wind erosion
Tonka	High water table Pesticide and nutrient leaching Restricted saturated hydraulic conductivity

POTENTIAL CROPLAND LIMITATION--continued
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Map Symbol and Component Name	Cropland Limitations and Hazards
Gk: Gilby	Alkalinity High water table Lime content Pesticide and nutrient leaching Salt content Wind erosion
Tonka	High water table Pesticide and nutrient leaching Restricted saturated hydraulic conductivity
Gm: Glyndon	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion
Gn: Glyndon	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Salt content Wind erosion
Go: Glyndon	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion
Perella	High water table Pesticide and nutrient leaching
Gp: Gravel pits	Alkalinity Depth to sand and gravel Excessive saturated hydraulic conductivity Lime content Limited available water capacity Limited organic matter Pesticide and nutrient leaching Pesticide and nutrient runoff Slope Surface rock fragments Water erosion
Gr: Glyndon	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion
Tiffany	Excessive saturated hydraulic conductivity High water table Pesticide and nutrient leaching

POTENTIAL CROPLAND LIMITATION--continued
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Map Symbol and Component Name	Cropland Limitations and Hazards
Gs: Grano	Alkalinity High water table Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
GwA: Great bend	Pesticide and nutrient runoff
GwC: Great bend	Pesticide and nutrient runoff Slope Water erosion
GwD: Great bend	Pesticide and nutrient runoff Slope Water erosion
Ha: Hamar	Excessive saturated hydraulic conductivity High water table Pesticide and nutrient leaching Wind erosion
Hb: Hamerly	Alkalinity High water table Lime content Pesticide and nutrient leaching Wind erosion
Tonka	High water table Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity
Hc: Hamerly	Alkalinity High water table Lime content Pesticide and nutrient leaching Salt content Wind erosion
Tonka	High water table Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity
HeA: Hecla	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Wind erosion
HfA: Hecla	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Wind erosion

POTENTIAL CROPLAND LIMITATION--continued
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Map Symbol and Component Name	Cropland Limitations and Hazards
HmB: Hecla	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Wind erosion
Maddock	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Wind erosion
Hn: Hegne	Alkalinity High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
Enloe	High water table Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
Ho: Hegne	Alkalinity High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
Fargo	High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
HrB: Heimdal	Pesticide and nutrient runoff
Emrick	Pesticide and nutrient runoff
HsC: Heimdal	Pesticide and nutrient runoff Slope Water erosion
Esmond	Alkalinity Lime content Pesticide and nutrient runoff Slope Water erosion Wind erosion
La: Ladelle	Pesticide and nutrient leaching Pesticide and nutrient runoff
Lm: Lamoure	Alkalinity High water table Lime content Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion

POTENTIAL CROPLAND LIMITATION--continued
Traill County, North Dakota

Map Symbol and Component Name	Cropland Limitations and Hazards
Ln: Lankin	Pesticide and nutrient leaching
Lp: La prairie	Alkalinity Pesticide and nutrient leaching Pesticide and nutrient runoff
Lu: Ludden	Alkalinity Flooding High water table Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
M-W: Miscellaneous water	Onsite required
Ma: Marsh	Alkalinity High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Salt content Wind erosion
Na: Nahon	Pesticide and nutrient leaching Restricted saturated hydraulic conductivity Root limiting Salt content
NuA: Nutley	Alkalinity Limited available water capacity Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
NuB: Nutley	Alkalinity Limited available water capacity Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
NuC: Nutley	Alkalinity Limited available water capacity Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Slope Water erosion Wind erosion

POTENTIAL CROPLAND LIMITATION--continued
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Map Symbol and Component Name	Cropland Limitations and Hazards
NuD: Nutley	Alkalinity Limited available water capacity Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Slope Water erosion Wind erosion
NuE: Nutley	Alkalinity Limited available water capacity Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Slope Water erosion Wind erosion
Oa: Ojata	Alkalinity High water table Lime content Pesticide and nutrient leaching Restricted saturated hydraulic conductivity Salt content Wind erosion
Or: Overly	Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity
Os: Overly	Pesticide and nutrient leaching Poor tilth and compaction
Fargo	High water table Lime content Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
OvB: Overly	Pesticide and nutrient leaching Pesticide and nutrient runoff Poor tilth and compaction Restricted saturated hydraulic conductivity Water erosion
Great bend	Pesticide and nutrient runoff
Pe: Perella	High water table Pesticide and nutrient leaching
Pr: Playmoor	Alkalinity High water table Lime content Pesticide and nutrient leaching Pesticide and nutrient runoff Salt content Wind erosion

POTENTIAL CROPLAND LIMITATION--continued
Traill County, North Dakota

Map Symbol and Component Name	Cropland Limitations and Hazards
ReA: Renshaw	Depth to sand and gravel Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff
Ro: Rockwell	Alkalinity Excessive saturated hydraulic conductivity High water table Pesticide and nutrient leaching Wind erosion
SmB: Serden	Excessive saturated hydraulic conductivity Limited available water capacity Limited organic matter Pesticide and nutrient leaching Wind erosion
Maddock	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Wind erosion
SrB: Sioux	Alkalinity Depth to sand and gravel Excessive saturated hydraulic conductivity Lime content Limited available water capacity Pesticide and nutrient leaching
Arvilla	Alkalinity Depth to sand and gravel Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion
Sv: Svenoda	Excessive saturated hydraulic conductivity Pesticide and nutrient leaching Wind erosion
Sw: Svenoda	Excessive saturated hydraulic conductivity Pesticide and nutrient leaching
Tf: Tiffany	Excessive saturated hydraulic conductivity High water table Pesticide and nutrient leaching
To: Tonka	High water table Pesticide and nutrient leaching Restricted saturated hydraulic conductivity
TrA: Towner	Excessive saturated hydraulic conductivity Limited available water capacity Pesticide and nutrient leaching Pesticide and nutrient runoff Wind erosion

POTENTIAL CROPLAND LIMITATION--continued
Traill County, North Dakota

Map Symbol and Component Name	Cropland Limitations and Hazards
Ud: Udorthents	Alkalinity Depth to sand and gravel Lime content Pesticide and nutrient runoff Wind erosion
Un: Ulen	Alkalinity Excessive saturated hydraulic conductivity High water table Pesticide and nutrient leaching Wind erosion
Vd: Vallers	Alkalinity High water table Lime content Pesticide and nutrient leaching Wind erosion
Doran	High water table Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity
Vk: Viking	High water table Pesticide and nutrient leaching Poor tilth and compaction Restricted saturated hydraulic conductivity Wind erosion
W: Water	Onsite required
WaA: Wahpeton	Limited available water capacity Pesticide and nutrient runoff Poor tilth and compaction Wind erosion
Wh: Wheatville	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Restricted saturated hydraulic conductivity Wind erosion
Wn: Wyndmere	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion
Wo: Wyndmere	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion

POTENTIAL CROPLAND LIMITATION--continued
Traill County, North Dakota

Map Symbol and Component Name	Cropland Limitations and Hazards
Ws: Wyndmere	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Salt content Wind erosion
Wt: Wyndmere	Alkalinity Excessive saturated hydraulic conductivity High water table Lime content Pesticide and nutrient leaching Wind erosion
Tiffany	Excessive saturated hydraulic conductivity High water table Pesticide and nutrient leaching Wind erosion
ZeE: Zell	Alkalinity Lime content Pesticide and nutrient runoff Slope Water erosion Wind erosion

